

FORTINET

FortiGate 94D PoE

Performance
Consolidation
Protection



February 21, 2014

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Register your Fortinet product to receive:

- Technical Support
- New product features
- Protection from new threats

Vous devez enregistrer le produit pour recevoir:

- Support technique
- Nouvelles fonctionnalités du produit
- Protection contre de nouvelles menaces

La registrazione ti permette di usufruire di:

- Supporto Tecnico
- Nuove funzionalita
- Protezione dalle ultime minacce

Debe registrar el producto para recibir:

- Apoyo técnico
- Nuevas funcionalidades del producto
- Protección contra ataques

登録のお願い

本日、フォーティネット製品の登録をしてください。

登録すると次のメリットがあります。

テクニカルサポート・新機能の追加・新しい脅威への防御

请马上注册

您的飞塔产品

您在注册以后才能得到技术支持、新产品特点信息、最新威胁防护

<http://forti.net/support>

Toll free: 1 866 648 4638

Phone: 1 408 486 7899

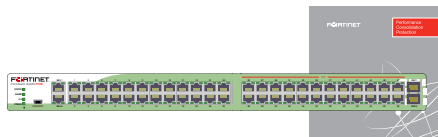
Fax: 1 408 235 7737

Email: register@fortinet.com



FortiGate 94D POE
QuickStart Guide

Box Includes



FortiGate 94D PoE & QuickStart Guide



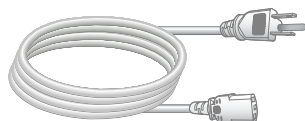
Ethernet Cable



USB Cable



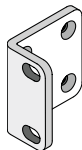
Console Cable



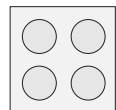
Power Cable



8 Bracket Screws



2 Rack-Mount Brackets



4 Rubber Feet

Before You Begin

Write down details that you may need from your network administrator or ISP.

DSL PPPoE

Username

Password

Cable Modem DHCP

It is normal to not require a hostname but your ISP may require it.

Hostname

T1/E1, Static broadband, Cable, or DSL with a static IP

IP Address

Subnet Mask

Default Gateway

Primary/Secondary DNS



QuickStart Guide Video

<http://forti.net/vqsg>

Installation

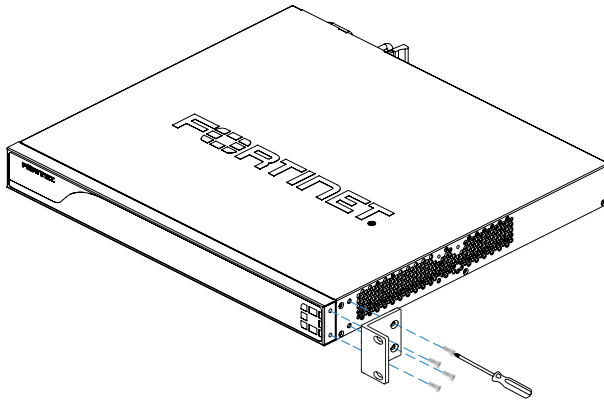
The **FortiGate unit** can be placed on any flat surface, or mounted in any standard 19 inch (48.3 cm) rack unit with the provided **rack-mount brackets** and **screws**.

To install the FortiGate unit into a rack

1. Ensure that the **FortiGate unit** is placed on a stable surface prior to rack-mount installation.
2. Attach the provided **rack-mount brackets** to the sides of the unit using the provided **screws**.

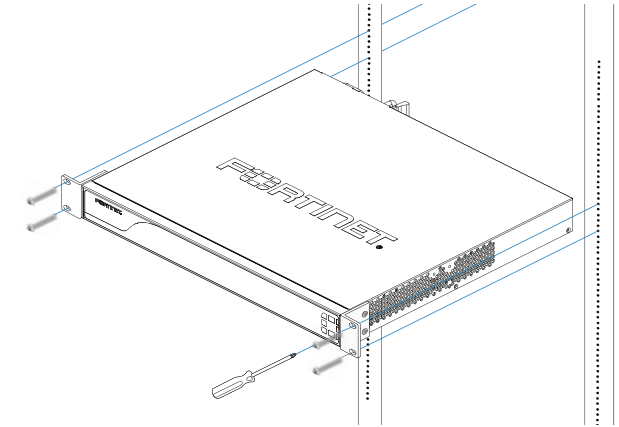
Caution: Electrostatic discharge (ESD) can damage your Fortinet equipment.

POE devices only:
This equipment is to be used in a Network Environment 0 per IECTR 62101. This product is connected only to PoE networks without routing to the outside plant.



3. Position the **FortiGate unit** in the rack. Ensure there is enough room around the unit to allow for sufficient air flow.

Caution: To avoid personal injury or damage to the unit, it is recommended that two or more people install the unit into the rack.

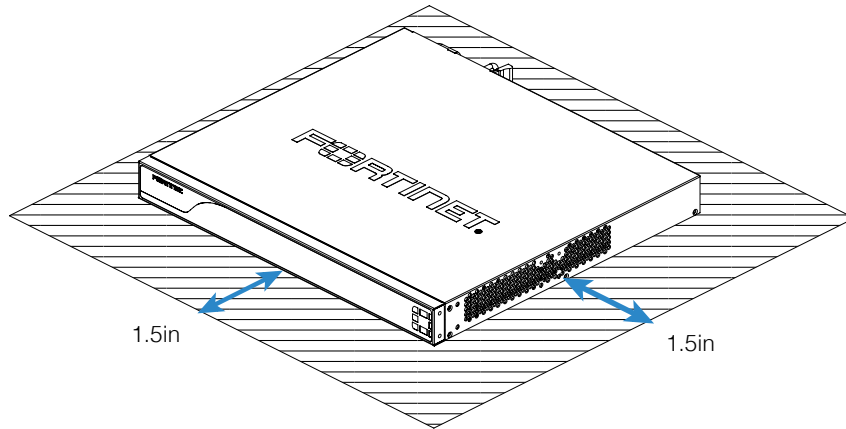


4. Line up the **rack-mount bracket holes** to the holes on the rack and ensure that the **FortiGate unit** is level.
5. Finger tighten **four rack-mount screws** to attach the unit to the rack.
6. Verify that the spacing around the **FortiGate unit** conforms to requirements and that the unit is level, then tighten the **rack-mount screws** with an appropriate **screwdriver**.
7. Using the provided **power cable**, plug the cable into the rear of the unit, and then into a grounded **electrical outlet** or separate power source.

Note: If the unit has a redundant power supply, each power cable should be connected to a different power source. In this way, if one power source fails, the other may still be operational and the unit will not lose power.

To install the unit on a flat surface

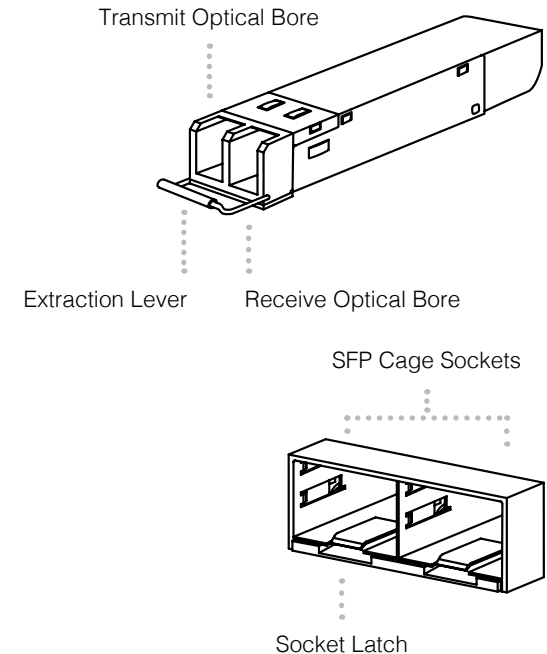
1. Ensure that the surface onto which the **FortiGate unit** to be installed is clean, level, and stable and that there is at least **1.5 inches (3.8cm)** of clearance on all sides to allow for adequate airflow.
2. Attach the provided **rubber feet** to the bottom of the **FortiGate unit**.
3. Place the unit in the designated location.
4. Verify that the spacing around the **FortiGate unit** conforms to requirements and that the unit is level.
5. Using the provided **power cable**, plug the cable into the rear of the unit, and then into a grounded **electrical outlet** or separate power source.



SFP Transceivers

To install the SFP transceivers

1. Ensure that you are properly grounded.
2. Remove the **caps** from the **SFP cage sockets** on the front panel of the unit.



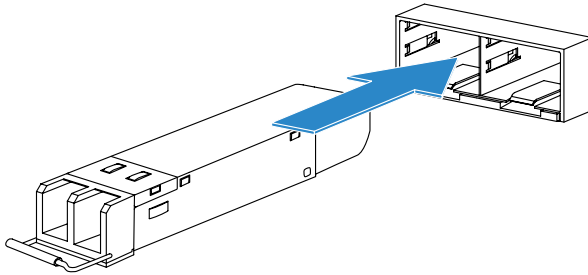
Caution: SFP transceivers are static sensitive devices. Use an ESD wrist strap or similar grounding device when handling transceivers.

Do not install or remove SFP transceivers while fiber-optic cables are still attached. This can cause damage to the cables, cable connectors, and the optical interfaces. It may also prevent the transceiver from latching correctly into the socket connector.

Note: SFP cage socket orientation may vary. Ensure that the SFP transceiver module is correctly oriented each time that you are inserting a transceiver. Installing and removing SFP transceivers can shorten their useful life. Do not install or remove transceivers more than is necessary.

Caution: Do not force the SFP transceivers into the cage slots. If the transceiver does not easily slide in and click into place, it may not be aligned correctly or may be upside down. If this happens, remove the SFP transceiver, realign it or rotate it and slide it in again.

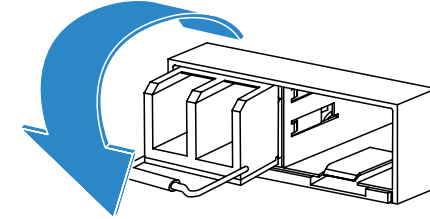
3. Position the **SFP transceiver** in front of the cage socket opening and ensure that the **transceiver** is correctly oriented.
- When the **transceiver** is correctly oriented, the **extraction lever** will be level with the **socket latch**.
4. Hold the sides of the **SFP transceiver** and slide it into the **cage socket** until it clicks into place.



5. Press the **transceiver** firmly into the **cage socket** with your thumb.
6. Verify that the **transceiver is latched correctly** by grasping the sides of the transceiver and trying to pull it out without lowering the **extraction lever**.
- If the transceiver cannot be removed, it is installed and latched correctly.
- If the transceiver can be removed, reinsert it and press harder with your thumb.
- If necessary, repeat this process until the **transceiver** is securely latched into the **cage socket**.

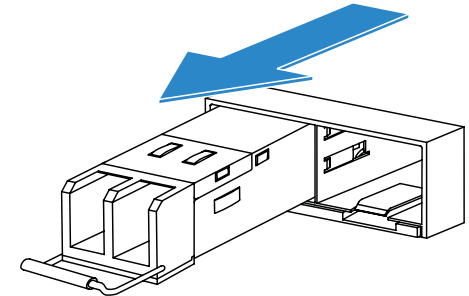
To remove the SFP transceivers

1. Ensure that you are properly grounded.
2. If applicable, disconnect the **fiber-optic cable** from the **transceiver connector** and install a **clean dust plug** in the transceiver's optical bores.
3. Pull the **extraction lever** out and down to eject the **transceiver**. If you are unable to use your finger to open the lever, use a small flat-head **screwdriver** or other similar tool to open the lever.



4. Hold the sides of the **transceiver** and carefully pull it away from the **cage socket**.

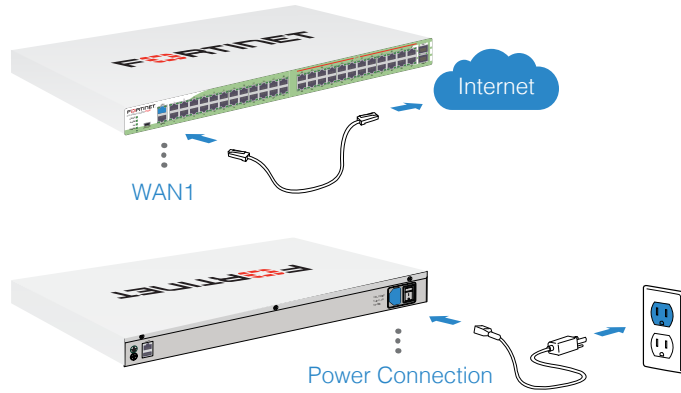
Note: Follow proper fibre-optic handling procedures when installing and removing SFP transceivers to ensure the devices remain clean and are not damaged.



5. Replace the **cap** on the **SFP cage socket** and place the removed **SFP transceiver** into an **antistatic bag**.

1 Basic Connections

Connect your device to an [electrical outlet](#) and an [Internet connection](#).
This is usually a modem, but could also be another device on your network.



2 FortiGate Setup Options

A Web Browser

Setup Wizard (p.13)

B Windows | OS X

With FortiExplorer (pp14-15)

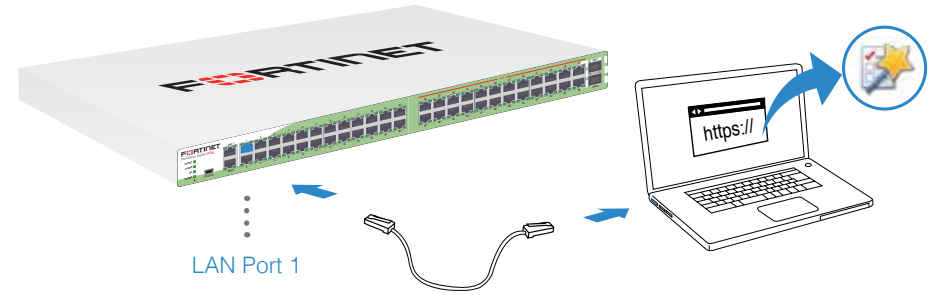
C Terminal Emulation

With console cable (p.16-17)

D iOS

FortiExplorer App Configuration
(pp.18-19)

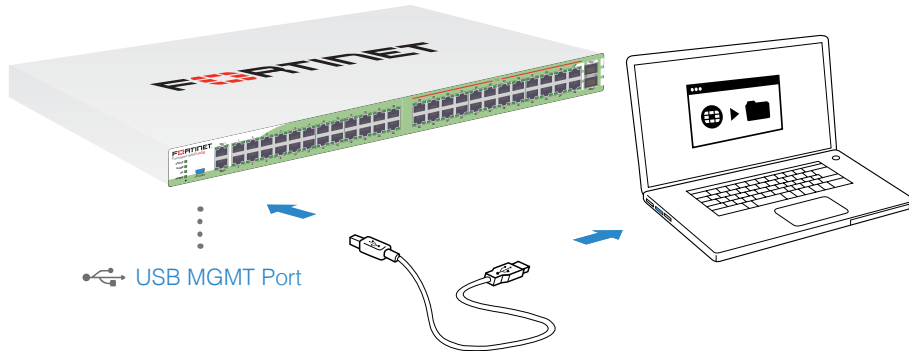
A



Web Browser with Ethernet cable

Web-based Manager

1. Connect the Ethernet cable to the [MGMT port](#) and your computer.
2. Visit [192.168.1.99](#) in a web browser.
If this does not show the login page, change the IP address of your computer to [192.168.1.2](#) and try again.
3. Login using username "[admin](#)" and [no password](#).
4. Click "[Wizard](#)" in the top right corner and follow instructions.
5. Register your device from the dashboard page.



Windows/OS X with USB

1. Download FortiExplorer from <http://forti.net/fexp>.

Microsoft Windows Install

2. Connect the **USB cable** and launch FortiExplorer if it does not appear automatically.

Mac OS X Install

2. Double-Click the **.dmg file** and drag the **FortiExplorer icon** to the **Applications folder**.
3. Connect the **USB cable**.
4. Click the **FortiExplorer icon** to launch the application.



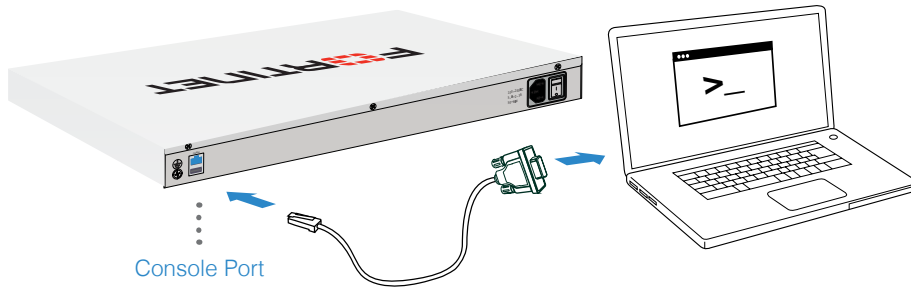
FortiExplorer Setup Wizard

FortiExplorer provides direct configuration access to your **FortiGate** without modification of the network settings.

Other features and tools include automatic firmware download, easy registration, and access to additional device resources.

1. Follow prompts or click **"Register"** to register your device with FortiCare.
2. Click **"Setup Wizard"**.
3. Login using username **"admin"** and **no password**.
4. Follow **Setup Wizard** steps.
5. Click **"Configure"** to complete the setup of your device.

C Terminal Emulation with Console Cable



To Connect to the CLI

1. Connect the **FortiGate unit console port** to the management computer using the provided **console cable**.
2. Start a **terminal emulation program** on the management computer. Select the **COM port** and use the following settings:
 - Baud Rate: 9600
 - Data bits: 8
 - Parity: None
 - Stop bits: 1
 - Flow Control: None
3. Press **Enter** on your keyboard to **connect to the CLI**.
4. Login using username **"admin"** and **no password**. You can now proceed with configuring your FortiGate unit.

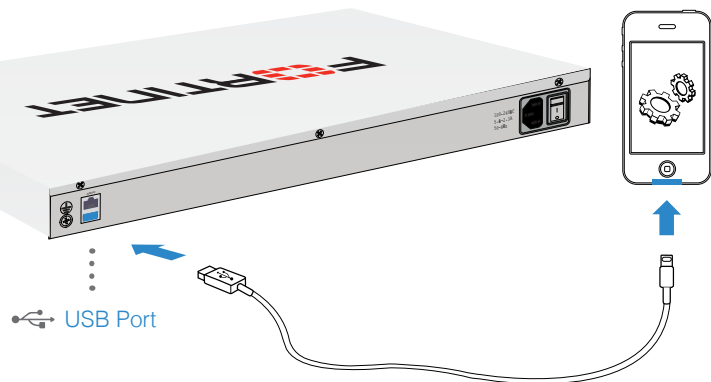
```
FortiGate # ?
config      Configure object.
get         Get dynamic and system information.
show        Show configuration.
diagnose    Diagnose facility.
execute     Execute static commands.
exit        Exit the CLI.

FortiGate # config ?
alertemail  Alert email configuration.
antivirus   AntiVirus configuration.
application Application control configuration.
client-reputation Client reputation tracking configuration
dlp         DLP configuration.
endpoint-control Endpoint control configuration.
firewall    Firewall configuration.
ftp-proxy   FTP proxy configuration.
gui         GUI configuration.
icap        ICAP client configuration.
imp2p       IM & P2P policy configuration.
ips         IPS configuration.
--More--
```

Get started by typing **"?"** for a list of available commands.
Begin typing a command and type **"?"** for a list of available ways to complete.
For example **"config ?"** will show the lowest level of configuration options.

A comprehensive reference guide with all commands can be found at <http://forti.net/cli>.

D



iPhone/iPad/iPod Touch with Apple to USB cable

FortiExplorer App

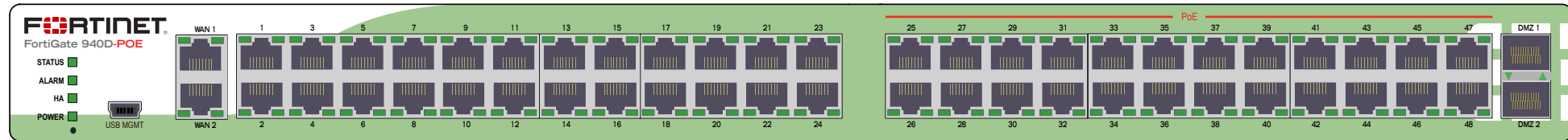
1. Download the [FortiExplorer iOS App](http://forti.net/fexp-ios) to your device from <http://forti.net/fexp-ios>.
2. Use your Apple USB cable to connect to the USB port.
3. Launch the FortiExplorer App and select the device model.
4. Login using username "admin" and no password.
5. Configure your device. This version does not have a wizard.



<http://forti.net/fexp-ios>

USB MGMT (USB Mini-B)
USB client port for management

DMZ 1 & 2 (SFP)
1 Gbps/auto small form-factor pluggable transceiver
ports for connection to a DMZ network device



WAN 1 & 2 (RJ-45)
Gigabit Ethernet Internet connections



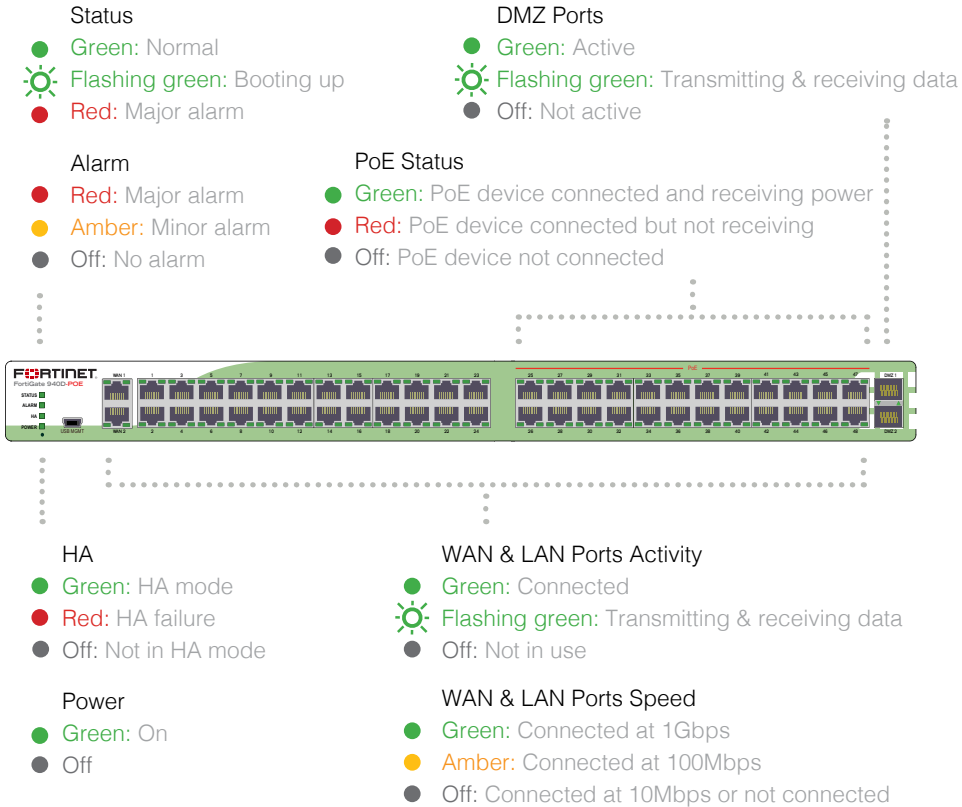
LAN Ports 1 - 24
Gigabit Ethernet 24-Port switch
connection for the internal network



LAN PoE Ports 25-48
Fast Ethernet ports with Power over Ethernet (PoE)
up to a maximum of 200W for all ports

Device Guide

FortiGate 94D POE



Console (RJ-45)

Optional connection to the management computer.
Provides access to the CLI

Power

100-240V, 5.4-2.9A, 50-60Hz



USB (USB-A)

USB server ports for USB key,
modem, or management functions

More Information

FortiGate Cookbook

Advanced installation and setup, networking, security policies and firewall objects, UTM profiles, SSL VPN, IPsec VPN, Authentication, Logging and reporting.

<http://forti.net/cookbook>

Training Services

Course descriptions, availability, schedules, and locations of training programs in your area.

<http://forti.net/training>

CLI Reference

Advanced configuration of your device using the command line.

<http://forti.net/cli>

FortiOS Handbook

Definitive guide to configuring and operating FortiOS.

<http://forti.net/handbook>



About Fortinet

Corporate Overview

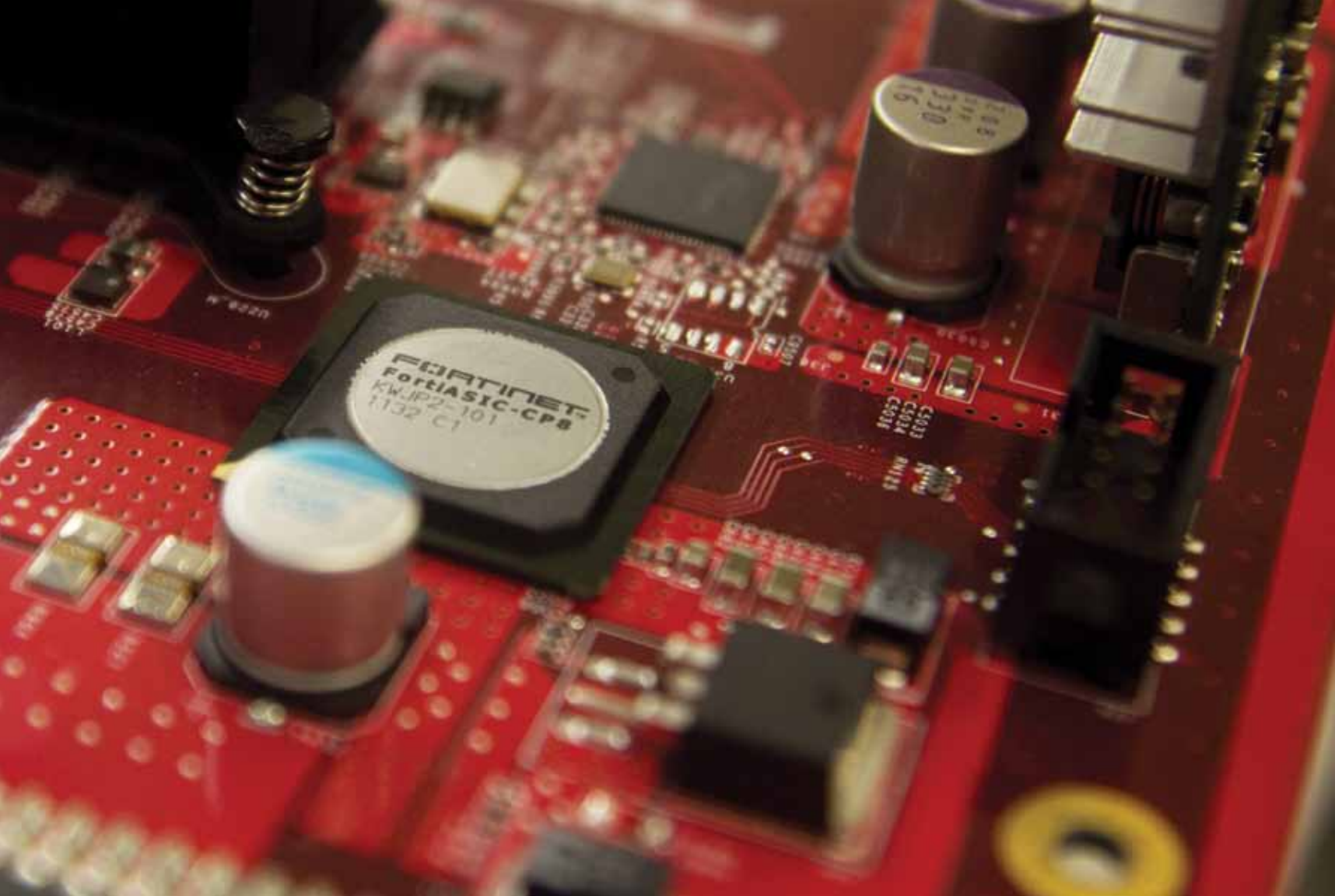
Forward Looking Market Leadership

Fortinet pioneered an innovative, high performance network security solution. We address the fundamental problems of an increasingly bandwidth-intensive network environment and a more sophisticated IT threat landscape. We are a leading provider of network security appliances and the leader in Unified Threat Management, or UTM solutions.

Fortinet is a worldwide leading provider of UTM appliances according to IDC and Gartner, with a 17.3% and 19.6% share of the UTM security appliance market respectively.

Gartner





FortiASIC

Specialized Chip Design delivers more processing power.

Fortinet's purpose-built architecture delivers extremely high throughput and exceptionally low latency and the world's fastest firewall. Computationally intensive security tasks demand ASIC acceleration. Sub 10 μ s latency beats the competition.

Most Certified in the Industry

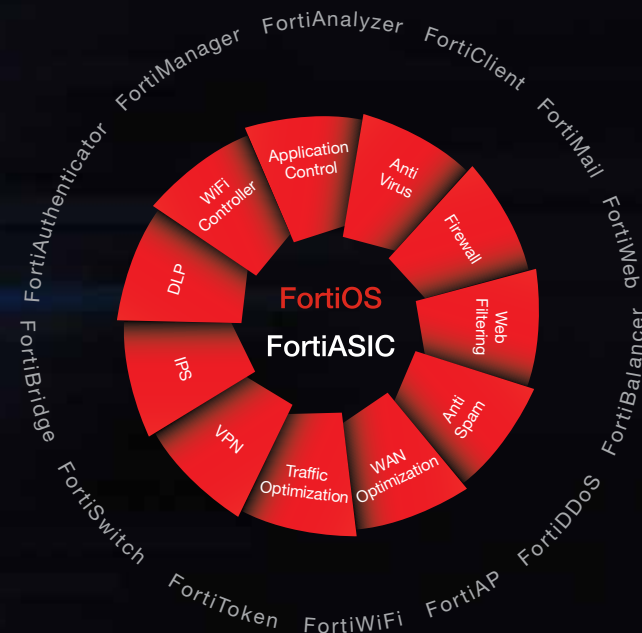
Fortinet is the only network security vendor to earn independent certifications across all core security technologies.

Fortinet demonstrates our ability to consolidate multiple security technologies while still meeting the highest standards of performance and accuracy.



introducing
FortiOS 5
the most powerful security
operating system in the world

More security, more control, more intelligence





FortiCare

Worldwide technical, hardware & software/firmware support options and professional services.



FortiGuard

24/7 Threat Research and Response.
Real-time security updates delivered to Fortinet Products.



FortiCloud

Hosted logging, reporting and security management solution.

Product Guide

Small Wonders

Compact desktop security appliances, ideal for kiosks, retail outlets and telecommuters.

FortiGate/FortiWiFi 30D



FortiWiFi 30D

“Since deploying the FortiWiFi Appliances, we have enabled our employees to work more efficiently and have also given customers the benefit of working on their laptops in a secure and wireless environment.”

- Ashland

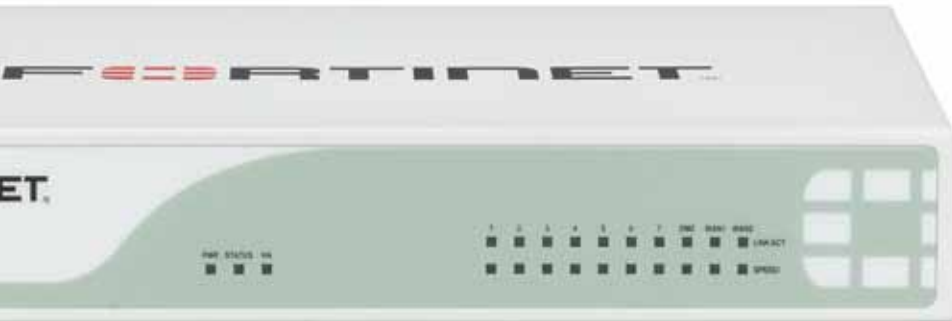
High-quality enterprise class hardware appliance that is small in size yet big on features. An ideal solution for those who seek for fast and easy setup by using the innovative FortiExplorer from your PC or smartphone. Variants support flexible deployment options.

- Small Footprint
- Silent
- WiFi & ADSL interface variants

Broadband Internet Fortresses

High performance desktop security appliances,
ideal for distributed enterprises.

FortiGate/FortiWiFi
60-90 Series



FortiGate 60D

“With the FortiGate solutions, we can now protect our valuable customer information by blocking network attacks such as worms and spyware. The FortiGate appliances are very convenient and easy to use and with the FortiGuard service, we have real time security updates.”

- Samsung Tesco Home Plus

Blazing fast security gateways powered by the latest FortiASIC SOC2. Simplified network security with industry validated UTM features. Works with FortiCloud that lets you monitor threat and network status wherever you are via the web, without adding another device to your network.

- Wall mountable models
- WiFi, ADSL, SFP & PoE Interface variants

Network Access Controllers

Gateways with high port density, ideal for network consolidation in branch offices & BYOD environment.

FortiGate
100-200 Series



FortiGate 100D

“Managing multiple restaurant locations nationwide, it was very important for us to select a network security solution that was cost-effective & easy to use. The FortiGate product line is allowing us to offer enterprise-level network security to our restaurants.”

- Paradigm

Device-based policies let you enforce security in a BYOD environment. Enforce security inside the network and out by tightly integrating with the FortiClient endpoint solution. Unified Access Control with integrated wireless and switch controllers.

- Elegant 1RU Design
- High port density variants
- PoE port options

Trusted Internet Sentries

Mid range UTM appliance, ideal for organizations that wish to tighten Internet usage and enhance protection.

FortiGate
300-600 Series



FortiGate 300C

“Fortinet provides us with a secure environment in a simplified management scheme and very low maintenance. The performance of Fortinet’s firewall is second to none.”

-Amadeus Hospitality

Powerful UTM appliances that protect against external threats and internal abuses with advanced application control, web filtering and more. Equipped with next generation multi-pass AV filters that protects against today's APTs and Botnets.

- Space saving 1RU size
- Active bypass interface option
- DC power variants

Server Guardians

High performance security appliance, ideal for protection server farms or mid enterprises.

FortiGate
800-1000 Series



FortiGate 800C

“The biggest advantage of Fortinet is that the company manages to combine so many functions in one appliance and still keeps prices reasonable. We are also impressed by the help we received from Fortinet’s local team in the planning and deployment stage, which made sure the solutions were easy for administrators to install and use.”

- Asia Commerce Bank

Superior IPS engine with excellent detection rate and extremely low latency. Sophisticated yet flexible resilient design support to ensure superior service availability. High-speed interfaces suitable for server farms.

- 1 or 2RU models
- 10G Interfaces
- Dual power supply option

Data Center Titans

Robust security appliance, ideal for data centers, campuses & larger enterprises.

FortiGate
3000 Series



FortiGate 3950B

“Since deploying the Fortinet solution at our nationwide data centers, we’ve been able to easily add new customers without having to bring on additional network resources. Fortinet’s virtual domain functionality allows for us to easily scale and meet the rapidly growing needs of our business - all while saving costs and improving customer satisfaction.”

- SoftLayer Technologies

Breakthrough high speed IPS of over 10G that doesn't compromise security for performance. ASICs accelerated firewall provides unbeatable price-performance. comprehensive virtual system delivers flexibility in multi-entity deployments.

- 2 or 3RU Models
- 10G Interfaces
- Dual power supplies
- Up to 500 virtual systems

FortiGate VM Series



Cloud Defenders

FortiGate Virtual Appliance provides critical security controls within your virtual infrastructure.

Provides visibility and control over communications within the virtualized infrastructure. Features are identical to hardware FortiGate appliance. Unique benefits of managing both physical & virtual appliance from the same centralized management Platform.

- Support Popular VM platforms
- Up to 500 Virtual systems

FortiAP Series



Secured Wireless Outposts

Thin access points that work with FortiGate wireless controller capability.

Integrates with FortiGate which serves as business grade wireless controller with proven security components. Build robust enterprise wireless network without additional licenses. Just add access points.

- 802.11 a/b/g/n support
- Indoor and/or outdoor use

FortiClient

For Windows, OS X, iOS & Android



<http://forticlient.com>

Free Download

- Windows | OS X
- iOS
- Android



Bodyguards

Comprehensive host security applications that extend FortiGate's endpoint control.

Multifunction Host security solution that eliminates the need of running multiple security applications on your terminal. Tight integration with FortiGate to install, manage and enforce endpoint compliance. FortiGate provisions Endpoint profiles which reuses FortiGate settings. Clients get consistent policies both on and off the LAN.

FortiManager Series



Commanders

Centralized Security Management Solution for FortiGate and more.

Provides easy centralized configuration, policy-based provisioning, update management. Easily manage complex mesh and star VPN environments while leveraging FortiManager as configuration distribution point. Equipped with detailed revision tracking, and thorough auditing capabilities

FortiAnalyzer Series



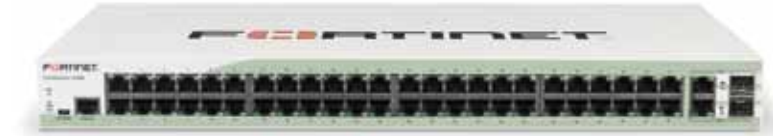
FortiAnalyzer 4000B

Devoted Oracles

Solution for logging, analyzing, and reporting from multiple Fortinet devices.

Allows IT administrators to quickly identify and react to network security threats across the network. Over 550 reports and customizable charts help monitor and maintain identify attack patterns, acceptable use policies, and demonstrate policy compliance.

FortiSwitch Series



FortiSwitch 348B



FortiSwitch 248B

Smart Edges

Purpose-built Layer 2 access switches.

Cost Efficient Layer 2 access solutions. PoE models provides easy connectivity for IP phones, access points and more. Achieves higher productivity with faster transfer times over high speed interfaces.

FortiToken

Physical & Soft Tokens



Access-ories

One Time Password tokens for two-factor authentication.

Reduce the risk of compromise inherent in traditional static password challenges. Affordable and easy to use. Provide stronger authentication solution against identify thief with one time password. Tightly integrated with in-built Token server on FortiGate.

Other Products

Application Security



FortiMail 
Messaging Security Gateway



FortiDB
Database Security Solution



FortiScan 
Vulnerability Management



FortiRecorder
Premise Surveillance




FortiWeb 
Web Application Firewall



FortiDDoS
Application D/DOS Mitigator



FortiAuthenticator
Access Management

 Also Available as Virtual Appliance

Network Services



FortiBalancer
Application Delivery



FortiCache
Content Caching



FortiDNS
Secured DNS Server



FortiVoice
VoIP & IP Telephony

Safety Cautions and Warnings

Rack mount instructions:

Elevated Operating Ambient - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (Tma) specified by the manufacturer.

Température ambiante élevée – En fonctionnement, si l'installation est réalisée dans une baie fermée ou que cette baie stocke un nombre important de machines, la température ambiante peut être supérieure à la température de la pièce. Par conséquent, il est important d'installer le matériel dans un environnement respectant la température ambiante maximale (Tma) stipulée par le fabricant.

Reduced Air Flow - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.

Ventilation réduite – L'installation du matériel dans la baie doit être exécuté de manière à ne pas compromettre la ventilation nécessaire au fonctionnement traditionnel de la machine.

Mechanical Loading - Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.

Branchement – L'installation du matériel à l'intérieur de la baie doit être effectué de façon à éviter toute situation dangereuse liée à un branchement non conforme.

Circuit Overloading - Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.

Surtenstion – Il convient de prendre l'ensemble des précautions nécessaires lors du branchement du matériel au circuit d'alimentation et être particulièrement attentif aux effets de la suralimentation sur le dispositif assurant une protection contre les courts-circuits et le câblage. Ainsi, il est recommandé de tenir compte du numéro d'identification du matériel.

Reliable Earthing - Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips).

Mise à la terre – Lorsque le matériel est connecté par la terre il doit être protégée. Veillez tout particulièrement aux branchements électriques autres que les branchements directs au circuit de dérivation (ex: utilisation de multiprises).

Refer to specific Product Model Data Sheet for Environmental Specifications (Operating Temperature, Storage Temperature, Humidity, and Altitude)

Grounding:

Ensure your Fortinet product is connected and properly grounded to a lightning and surge protector.
WAN or LAN connections that enter the premises from outside the building should be connected to an Ethernet CAT5 (10/100 Mb/s) surge protector.

Assurez-vous que votre produit soit connecté et bien mis à la terre afin de protéger le dispositif contre la foudre et les surtensions. Les connections réseau WAN ou LAN qui pénètrent dans le lieu en question à l'extérieur du bâtiment devrait être connecté à l'Ethernet CATS (10/100 Mb/s) afin de permettre une protection contre les surtensions.

Shielded Twisted Pair (STP) Ethernet cables should be used whenever possible rather than Unshielded Twisted Pair (UTP).

Dans la mesure du possible, il est préférable d'utiliser les câbles Ethernet de paire torsadée blindée (aussi appelé en anglais STP ou Shielded Twisted Pair) plutôt que de paire torsadée non blindée (également appelé en anglais UTP ou Unshielded Twisted Pair).

Do not connect or disconnect cables during lightning activity to avoid damage to your Fortinet product or personal injury.

Ne pas brancher ou débrancher les câbles lors d'un orage afin de ne subir aucun dommage corporel et éviter d'endommager votre matériel.

Electrostatic discharge (ESD) can damage Fortinet equipment. Only perform the procedures described in this document from an ESD workstation. If no such station is available, you can provide some ESD protection by wearing an anti-static wrist strap and attaching it to an available ESD connector or other bare metal object.

Toute décharge électrostatique peut endommager votre matériel. N'effectuer les procédures décrites dans ce document seulement à partir d'un poste de travail le permettant. Dans le cas où aucun poste de travail n'est disponible, vous pouvez vous protéger de l'électricité statique en portant un bracelet antistatique et attachez l'autre extrémité à une surface du châssis du système en métal nu (c'est à dire sans peinture, ni autocollant).

Caution: Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to your local regulations.

Attention: Risque d'explosion si vous remplacez la batterie par un modèle incompatible. Jetez les piles usagées selon les réglementations locales en vigueur.

IMPORTANT: Switzerland: Annex 4.10 of SR814.013 applies to batteries.

IMPORTANT: Suisse: Annexe 4.10 de SR814.013 s'appliquant aux batteries.

警告
本電池如果更換不正確會有爆炸的危險
請依製造商說明書處理用過之電池

Caution: This equipment is to be used in a Network Environment 0 per IECTR 62101. This product is connected only to PoE networks without routing to the outside plant.

Attention: Ce matériel doit être utilisé dans un Environnement Réseau 0 par IECTR 62101. Ce matériel est uniquement connecté aux réseaux PoE sans installation externe de routage.

Caution: This device complies with IEEE 802.3af PoE specification. Do not use any PoE injectors that are not IEEE 802.3af compliant as they may damage your device.

Attention: Cet appareil est conforme aux normes IEEE 802.3af. Ne pas utiliser d'autres injecteurs d'alimentation non conformes sous peine d'endommager votre matériel.

Regulatory Notices

Federal Communication Commission (FCC) – USA

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received; including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
Reorient or relocate the receiving antenna.
Increase the separation between the equipment and receiver.
Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
Consult the dealer or an experienced radio/TV technician for help.

WARNING: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

Industry Canada Equipment Standard for Digital Equipment (ICES) – Canada

CAN ICES-3 (B) / NMB-3 (B)

European Conformity (CE) - EU

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.



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